TABLE 1

Material	% Chlorine in material	Amount to add per 1000 gal. to produce 50 ppm chlorine	Amount to add per 1000 gal. to produce 5 ppm chlorine
Sodium Hypochlorite (liquid laundry bleaches such as Clorox or Purex)	5.25	1 gallon	1 ½ cups
Sodium Hypochlorite Commercial Strength	12	7 cups	¾ cup
Chlorinated Lime (powder)	25	3½ cups	5 tablespoons
Calcium Hypochlorite (B.K. Powder)	50	1½ cups	2½ tablespoons
Calcium Hypochlorite (H.T.H., Perchloron, etc.)	70	1 1/8 cups	2 tablespoons

Note: 16 Tablespoons = 1 cup and 256 tablespoons = 1 gallon.
For materials not listed above, the percent of available chlorine will be found on the label under "active ingredients."

TABLE 2

TO DETERMINE AMOUNT OF WATER IN WELL OR CISTERN

CIRCULAR WELL OR CISTERN

Diameter of well in feet	Gallons of water per foot depth
½	1½
1	6
2	24
3	53
4	94
5	147
6	212
7	288
8	376
9	472
10	587
11	710
12	846

RECTANGULAR OR SQUARE CISTERN:

Length x width x water depth x 7 ½ = gallons

EXAMPLES

(Circular well)

To disinfect a well that measures 1 foot across and has 250 feet of water in it:

First, find the number of gallons of water in the well from table 2 above.

6 x 250 = 1500 gallons.

EXAMPLES (Continued)

Second, determine the material to be used for disinfection and from Table 1 find the amount of material required for each 1000 gallons of water.

For laundry bleaches 1 gallon is required for each 1000 gallons and there are 1½ thousand gallons of water in the well, so 1½ gallons of laundry bleach are required.

(Circular Cistern)

For a cistern 7 feet across that has 10 feet of water the amount of laundry bleach required would be found by:

$$288 \times 10 = 2880 \text{ gallons of water.}$$

$$1\tfrac{1}{2} \text{ cups} \times \frac{2880}{1000} = 4.3 \text{ cups of bleach.}$$

(Rectangular or Square Cistern)

To disinfect a cistern that is 6 feet long, 7 feet wide, and has 12 feet of water in it:

First, find the volume of water in the cistern.

$$6 \times 7 \times 12 \times 7\tfrac{1}{2} = 3780 \text{ gallons}$$

Second, determine the material to be used for disinfection and from Table 1 find the amount of material required for each 1000 gallons of water.

For B-K powder (50 percent chlorine) 2'/ tablespoons is required for each 1000 gallons of water and there are 3780 gal-lons in the cistern.

$$\frac{3780}{1000} \times 2\tfrac{1}{2} = 9.5 \text{ tablespoons of B-K powder required 1000}$$

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